

Receiving Report

Date: 15-04-2Batch No: 131947Supplier: CORLDart P/O: 27791-121521

Packing Slip: Yes No
 Invoice: Yes No
 Receipt: Cash Cr
 New Supplier Yes No

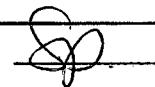
Release Note Attached: Yes No N/A
 Waybill Attached: Yes No
 Shipment Complete: Yes No N/A
 QC18 Inspection _____ N/A
 Work Order _____ N/A

Discrepancies

Part Number	Description	Quantity Ordered	Quantity Rec'd	Quantity Short	Quantity Inspected	Quantity Rejected	Comment / NCR Number

Initials of Receiver

QC12



Production/Admin:

Date _____

Location _____

Received/Costing _____

Initial _____



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PO REPRINT

Purchase Order ID PO27791

Purchase Order Date 3/16/2015
PO Print Date 4/2/2015

Page Number 1 of 3

Order From :	VU-COR001	Ship To :	DART AEROSPACE LTD
C.O.R.E. AVIATION SERVICES 16305 E. TWIN ACRES DRIVE GILBERT, AZ 85297 US		1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CANADA	

Contact Name	Buyer	Chantal Lavoie
Vendor Phone	Customer POID	
	Customer Tax #	10127-2607
Ship To Contact	Terms	Net 10
Ship To Phone	Currency	USD
Ship Via	FOB	FCA - (Free Carrier)
Ship Acct		

Line Nbr	Reference Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req. Qty/ Unit of Measure	PO Unit Price	Extended Price
1	AN44-7A	Eyebolt	4/2/2015 4/2/2015	Yes	6.00 ✓ Each	\$22.50	\$135.00
2	AN4C42A	Bolt	4/2/2015 4/2/2015	Yes	50.00 ✓ Each	\$33.25	\$1,662.50
3	AN4C47A	Bolt	4/2/2015 4/2/2015	Yes	20.00 ✓ Each	\$16.50	\$330.00

PO Instructions: Fedex Acc#151793240

Note:

C.O.R.E. Aviation Services, Inc.

16305 E. TWIN ACRES DRIVE
GILBERT, AZ 85298
USA
Ph: 480-497-6136 Fax: 480-497-3568
EMail: sales@coreaviation.com

Packing List

Ship Doc : CA150401-3
Printed : 04/01/2015
No. Items : 6
Page : 1 of 1

Bill To: Dart Aerospace Ltd. 1270 Aberdeen St. Hawkesbury, ON K6A 1K7 Canada		Ship To: Dart Aerospace Ltd. 1270 Aberdeen St. Hawkesbury, ON K6A 1K7 Canada							
Sales Order : 27791	AWB : 773274094820	Resale : Not On File							
Order Date : 03/20/2015	Customer# : DALD	Buyer :							
Ship Date : 04/01/2015	Terms : N 10	Contact : 613-632-9577							
Ship Via : FEDEX	Sales Person: KAIZER HUSEIN	Weight :							
Ship Account: 151793240	FOB : GILBERT, AZ	No. Boxes :							
		Dimensions :							
Item	Part Number/Description	CD	Location	UM	Ord	B/O	Shipped	Cust. PO#	
4	AN6C44A NSN:5306-00-275-9647	BOLT	NE	HC202	EA	100	46	54	26521
1	AN44-7A	BOLT, EYE	FN	HC202	EA	6	0	6	27791
2	AN4C42A	BOLT	NE	DART	EA	50	0	50	27791
3	AN4C47A NSN:5306-00-543-5079	BOLT	NE	HC202	EA	20	0	20	27791
4	AN8C35A NSN:5306-00-855-7396	BOLT	NE	HC202	EA	25	0	25	27791
5	AN8C21A NSN:5306-00-579-3481	BOLT	NE	DART	EA	20	0	20	27791

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TERMS AND CONDITIONS OF SALE

MATERIALS ON THIS ORDER CONFORM TO SPECIFICATIONS AS LISTED ON YOUR PO/RO.

MATERIAL IS SUBJECT TO YOUR INSPECTION

OUR TERMS ARE AS PER OUR MUTUAL LETTERS OF AGREEMENT.

OVERDUE INVOICES WILL BE SUBJECT TO 1.5% INTEREST ON OVERDUE AMOUNTS.

NO RETURN OR REFUNDS AFTER 10 DAYS FROM INVOICE DATE.

DAMAGE OR SHORTAGE CLAIMS MUST BE MADE WITHIN 10 DAYS OF INVOICE DATE.

NO RETURNS ALLOWED WITHOUT PRIOR APPROVAL. RETURNED GOODS COULD BE SUBJECT TO A RESTOCK CHARGE.

#####

COUNTRY OF ORIGIN OF GOODS : USA

TYPE OF GOODS : AIRCRAFT PARTS

HARMONIZED CODE : 8803-20-0050

#####

CERTIFICATE OF CONFORMANCE

C.O.R.E. Aviation Services, Inc.

16305 E. TWIN ACRES DRIVE, GILBERT, AZ 85298, USA
Phone: 480-497-6136 Fax: 480-497-3568 FAA Sta. #: Web:

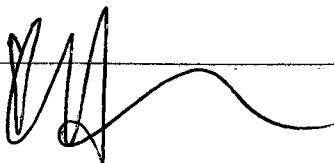
Invoice : CA150401-4
Date : 04/01/2015
PO : 27791
Issued By : KAIZER HUSEIN
Page : 1 of 1

THIS IS TO CERTIFY THAT ALL GOODS ON C.O.R.E. INVOICE WERE SHIPPED IN ACCORDANCE WITH THE PART SPECIFICATIONS ON CUSTOMERS PO & TO THE BEST OF OUR KNOWLEDGE AND BELIEF, MEET THOSE STANDARDS.

ITEM(S) WERE DETERMINED TO BE IN STATED CONDITION BY VISUAL CONDITION AND OR IN ACCORDANCE WITH RECEIVING RECORDS.

ALL DETAILED RECORDS ARE KEPT ON FILE AT C.O.R.E. AVIATION SERVICES FOR ANY FUTURE CUSTOMER INSPECTION.

Item	Part Number/Description	Shipped	CD
1	AN44-7A	BOLT, EYE	6
2	AN4C42A Lot:9952481	BOLT	50
3	AN4C47A Lot:15544	BOLT	20
4	AN8C35A Lot:15838	BOLT	25
5	AN8C21A Lot:15494	BOLT	20



KAIZER HUSEIN

C.O.R.E. Aviation Services, Inc.

16305 E. TWIN ACRES DRIVE

GILBERT, AZ 85298

USA

Ph: 480-497-6136 Fax: 480-497-3568

EMail: sales@coreaviation.com

DUPLICATE

Invoice

Invoice : CA150401-4

Date : 04/01/2015

No. Items : 5

Page : 1 of 1

To: Dart Aerospace Ltd. 1270 Aberdeen St. Hawkesbury, ON K6A 1K7 Canada	Ship To: Dart Aerospace Ltd. 1270 Aberdeen St. Hawkesbury, ON K6A 1K7 Canada
---	--

Sales Order : 27791	AWB : 773274094820	Resale : Not On File
Your Order# : 27791	Customer# : DALD	Buyer :
Order Date : 03/20/2015	Terms : N 10	Contact : 613-632-9577
Ship Date : 04/01/2015	Sales Person : KAIZER HUSEIN	Weight :
Ship Via : FEDEX	FOB : GILBERT, AZ	No. Boxes :
		Dimensions :

Item	Part Number/Description	Shipped	BackOrd	CD	Unit Price	Total Amt
1	AN44-7A BOLT, EYE	6	0	FN	\$22.50 EA	\$135.00
2	AN4C42A BOLT	50	0	NE	\$33.25 EA	\$1,662.50
3	AN4C47A BOLT NSN: 5306-00-543-5079	20	0	NE	\$16.50 EA	\$330.00
4	AN8C35A BOLT NSN: 5306-00-855-7396	25	0	NE	\$26.00 EA	\$650.00
5	AN8C21A BOLT NSN: 5306-00-579-3481	20	0	NE	\$13.50 EA	\$270.00

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TERMS AND CONDITIONS OF SALE

MATERIALS ON THIS ORDER CONFORM TO SPECIFICATIONS AS LISTED ON YOUR PO/RO.

MATERIAL IS SUBJECT TO YOUR INSPECTION

OUR TERMS ARE AS PER OUR MUTUAL LETTERS OF AGREEMENT.

OVERDUE INVOICES WILL BE SUBJECT TO 1.5% INTEREST ON OVERDUE AMOUNTS.

NO RETURN OR REFUNDS AFTER 10 DAYS FROM INVOICE DATE.

DAMAGE OR SHORTAGE CLAIMS MUST BE MADE WITHIN 10 DAYS OF INVOICE DATE.

NO RETURNS ALLOWED WITHOUT PRIOR APPROVAL. RETURNED GOODS COULD BE SUBJECT TO A RESTOCK CHARGE.

#####

COUNTRY OF ORIGIN OF GOODS : USA

TYPE OF GOODS : AIRCRAFT PARTS

HARMONIZED CODE : 8803-20-0050

Sub Total :	\$3,047.50
Tax Total :	
S + H :	\$0.00
Balance :	\$3,047.50

BUTLER, INC.
1600 W. 166th STREET
GARDENA, CA 90247

Packing List

Customer No.: C.O.R.E

Ship To: **CORE AVIATION SERVICES, INC.**
16305 E. TWIN ACRES DR.
GILBERT, AZ 85298

Bill To: **CORE AVIATION SERVICES, INC.**
16305 E. TWIN ACRES DR.
GILBERT, AZ 85298

Date	Ship Via	F.O.B.	Terms	
03/23/15	UPS	Origin		
Purchase Order Number	Order Date	Sales Person	Our Order Number	
27791-5	03/23/15		17674	
Quantity	U/M	Item Number	Description	Serial Number
20	20	each	AN8C21A	LOT 15494

BUTLER INC.

Thank You
1600 West 166th Street Gardena, CA 90247
(310) 323-3114 FAX (310) 324-0914



BUTLER INC.

1600 W. 166th STREET
GARDENA, CALIFORNIA 90247
(310) 323-3114 / FAX (310) 324-0914



CAGE # 59053

C.O.R.E. AVIATION SERVICES
16305 E. TWIN ACRES DRIVE
GILBERT, AZ 85298

CERTIFICATE OF COMPLIANCE

BUYER ORDER NO.: 27791-5 ITEM: 1

NSN #: NA PART NUMBER: AN8C21A REV: 2

DESCRIPTION: BOLT, HEX HEAD, .5000-20 x 2.219, 431, PASSIVATE

SPECIFICATIONS: NASM6812-3, ASTM A 493-09, AMS-H-6875B, AMS2700E

QUANTITY: 20 LOT #: 15494 HEAT #: G18870

BUTLER INC. HEREBY CERTIFIES THAT THIS LOT HAS BEEN PRODUCED, SAMPLED, INSPECTED, TESTED, MARKED AND PACKAGED IN ACCORDANCE WITH ALL CONTRACT, DRAWING AND SPECIFICATION REQUIREMENTS. FURTHERMORE, BUTLER INC. CERTIFIES THAT DOCUMENTED EVIDENCE OF COMPLIANCE WITH ALL CONTRACT, DRAWING AND SPECIFICATION REQUIREMENTS APPLICABLE TO THIS LOT IS ON FILE AT OUR PLANT IN THE FORM OF MECHANICAL, METALLURGICAL AND/OR CHEMICAL TEST REPORTS AND INSPECTION RECORDS, AND IS AVAILABLE FOR BUYERS REVIEW.

DATE OF EXECUTION: 03/23/15

SIGNATURE:

Tod F. Polidori
TOD F. POLIDORI

TITLE: Q.A. MANAGER

3432235
Order No: 10:13:08
Time



FRY STEEL COMPANY
Registered ISO 9001
13325 MOLETTE ST.
SANTA FE SPRINGS, CA 90670
(562) 802-2721

B04163
Cust. NO.: 22883
P.O. NO.:

CERTIFICATE OF COMPLIANCE

BUTLER INC ***
1600 W 166TH ST
** MAIL OUT INVOICES **
GARDENA CA 90247-4704

ROOKE MFG
3360 W HARVARD ST
SANTA ANA CA 92704-3920

06/28/12

QTY	--DESCRIPTION--	--ITEM CODE--	--HEAT NUMBER--
	CG 431 ANN AMS 5628 GREEN/YELLOW		
26	BARS .510"RD 12'RL	4290	G18870
	ONE HEAT LOT		
100	BARS 1/4"RD 12'RL	4200	G18835
	ONE HEAT LOT USE HT# G18835		
59	BARS .265"RD 12'RL	4210	G18835
	ONE HT LOT		

REVIEWED BY: *[Signature]* JB A 5
DATE: *7-6-12*

NOTICE

A COPY OF THE ORIGINAL MILL CERTIFICATION IS ATTACHED*

CHEMICALS & PHYSICALS ARE REPORTED THAT WILL MEET THE SPECIFICATIONS SHOWN ON THE CERTIFICATE.
EXCEPTIONS TO SPECIFICATIONS SHOULD BE SHOWN ON THE CERTIFICATION.

AUTOMATIC EXCEPTIONS TO THE SPECS LISTED ARE: LINE MARKING AND INSPECTION(I.E. MAG., SONIC, ETC.)

WE SUGGEST CONSULTING AN EXPERT ABOUT RELATED INSPECTION, PRIOR TO ALTERING THE MATERIAL FROM THE AS SHIPPED/RECEIVED CONDITION. "DEFECT FREE" MATERIAL CAN NOT BE GUARANTEED WITHOUT PRIOR INSPECTION APPROPRIATE TO APPLICATION.

NO WELD REPAIR HAS BEEN PERFORMED AND THIS MATERIAL IS FREE FROM MERCURY AND RADIUM
CONTAMINATION AT TIME OF SHIPMENT

The willful recording of false, fictitious or fraudulent statements on this document may result as a felony under federal statutes.
*WHEN APPLICABLE

MAT'L USED
FOR LOT # 15494

Chip Sandoval
CHIP SANDOVAL - Q.C. MANAGER



Dunkirk Specialty Steel, LLC

A Universal Stainless Company
P.O. Box 319
830 Brigham Rd.
Dunkirk, NY 14048

Quality System Registered to
ISO9001 and AS9100

Material Certification

MILL ORDER: 0044402
PART NUMBER: S#4290
P.O. NUMBER: 46972-11

P.O. DATE: 2/28/2012

PAGE NUMBER: 1 of 1

PRINTED: 6/5/12 07:58

S	FRY STEEL COMPANY	S	FRY STEEL CO
O	P O. BOX 4048	H	C/O C.M.I. FREIGHT TRANS
L		I	4201 WEST 36TH ST
D		P	
SANTA FE SPRINGS, CA 90670		CHICAGO, IL 60623	

Material Description: STAINLESS STEEL ROUND BAR 431 EAF+AOD ANNEALED CENTERLESS GROUND AMS 2303F, ASTM A484-11, MIL-S-18732D, AMS-S-18732B, AMS 5628F, McDonnell Douglas DMS-1565G (except sonic), Hi Shear #115J (Type II, chemistry only), Federal QQ-S-763C Am. 2 (431 cond. A, exc. hard. & impact), waive CLM, ASTM A276-10 (431).

Size: .5100 DIAM X 132.0000 MIN/ 156.0000 MAX RANDOM LENGTH

Heat Number	C	0.15	MN	0.58	SI	0.30	S	0.002	P	0.017
G18870	FNL	W%	CR	16.35	W	<0.05	V	0.02	NI	2.24
			CO	<0.05	CU	0.13	SN	0.008	PB	
			TA		AL	<0.01	TI	<0.01	FE	
			O		MG		CA		SE	ZR
			AG		BI		N	0.060	H	CQ

HARDNESS (AS SHIPPED): 269 BHN

TENSILE CAPABILITY: 1875F/1HR/OQ+1175F/3HR/AC
T/S KSI Y/S KSI SEL
152.4 105.0 17.5

REVIEWED BY:

JB
A5

DATE: 7-6-12

TENSILE CAPABILITY: 1875F/1HR/OQ + -100F/2HR/AC+550F/2HR/AC + 550F/2HR/AC
T/S KSI Y/S KSI SEL SR/A
218.9 159.6 16.0 57.0

HARDENABILITY : Rc 50.0

MICRO TEST: ACCEPTABLE

MACRO ETCH TEST: ACCEPTABLE

GRAIN SIZE: 7.1

FERRITE: <4%

MAGNETIC PARTICLE F/S = 0/0

KNOWINGLY RECORDING FALSE, FICTITIOUS OR FRAUDULENT STATEMENTS
OR ENTRIES ON THIS DOCUMENT MAY BE PUNISHED AS A FELONY UNDER
FEDERAL STATUTES INCLUDING FEDERAL LAW, TITLE 18, CHAPTER 47.

FRY STEEL CO. CERTIFIES THAT THIS IS
A TRUE COPY OF THE ORIGINAL MILL TEST
REPORT NOW ON FILE
RECEIVED AND INSPECTED

S# 4290

MELT SOURCE: UNIVERSAL/DUNKIRK

CHEMICAL BALANCE IS Fe

MATERIAL MELTED IN THE USA BY UNIVERSAL STAINLESS & ALLOY PRODUCTS, BRIDGEVILLE, PA

07 2012

MATERIAL MANUFACTURED IN THE USA

MAT'L USED
FOR LOT #

15494

BY
CHIP RANDIVAT - Q.C. MANAGER

S/John M. Berry

S/John M. Berry

eb

Prepared by: John M. Berry, QA

John M. Berry, QA Technician

Date

06/05/12

Melted and manufactured in compliance with DFARS 252.225-7014 ALT 1. Melted in USA in Bridgeville, PA., USA. Certification IAW DIN SD 049 / EN 10204 3.1. Material complies with EU directive 2002/95/EC (RoHS). The test results shown are certified to be a correct statement of records that were derived from testing samples of the material. Results meet applicable specifications. No welding was performed on the material supplied on this order. Material is free from mercury contamination. Material is of NAFTA origin. This material was produced under the Dunkirk Specialty Steel Quality Management System documented in QP Manual, Rev. 6 dated 1/6/2012, conforming to NCA-3800. Material testing was performed as applicable in accordance with ASTM A370, A604, E8, E10, E18, E23, E45, E112, E139, E381, E572, E1019, STP-CHEM-GDS, E1444, & AMS 2315. The recording of false, fictitious, or fraudulent statements on this document may be punished as a felony under federal law.



10643 S. NORWALK BL.
SANTA FE SPRINGS
CALIFORNIA 90670
562-944-8808
800-622-6624
FAX 562-944-1499
www.continentalht.com

CERTIFICATION

CERTIFICATION NUMBER
616536

S BUTLER INC
O 1600 W 166TH STREET
D GARDENA, CA 90247-4704

S BUTLER INC
H 1600 W 166TH STREET
P GARDENA, CA 90247-4704

T
O

CUSTOMER NUMBER	DATE RECEIVED	CUSTOMER P.O. NUMBER	CUSTOMER SHIPPER
0047500	09/26/12	23927	

QUANTITY	WEIGHT	PART NUMBER / DESCRIPTION	
1231	203	AN8C21A REV. 2 LOT# 15494 HEAT# G18870 END USER: C.O.R.E. H/T, 125-145 KSI PER P.O.	2 PANS

MATERIAL	HARDNESS	MAX-CROSS SECTION	CASE DEPTH	CORE HARDNESS
431 S/S	26-32 HRC	.520		

SPECIFICATIONS AMS 2759/5 D AMS-H-6875 B

PROCESS	SPEC TEMP	SPEC TIME	EQUIP.	ACT TEMP	TIME IN	TIME AT-HEAT	TIME OUT	ATMOS DEWPT	Q-MED & TEMP	DATE
RACK			RACK		.16	Y				10/02
PREGLEAN	140	:05	WASH	140	14:10	14:10	14:15	AIR	A/C	10/02
LOADCOUPLE			WIRE		.08	Y				10/03
SET V/P			ATMOS		.02	Y				10/05
AUSTENITIE	1875	1:30	V1	1875	18:04	23:12	00:42	VAC	OIL	10/05
SUBZERO	-100	2:20	CB3	-100	03:16	03:30	05:50	NIT	A/W	10/06
SNAPTEMPER	400	2:00	D13	400	10:26	11:30	13:30	AIR	A/C	10/06
TEMPER 15	1125	4:00	D12	1125	18:06	19:05	23:05	AIR	A/C	10/08
TEST RESULTS:	30 HRC				LAB#: 365/08986	TEST: 1	ACCT: 1231	REJT: 0		
TEMPER 15	1125	4:00	D12	1125	18:00	19:35	23:35	AIR	A/C	10/09
GLASS BEAD			B6		1.50	Y				10/12

REVIEWED BY:

JB
A5

DATE: 10/15/12

JL HOW
10/15/12

HARDNESS: 26-31 HRC QTY TESTED: 15 QTY ACCT: 1231 QTY REJT: 0

INSPECTOR
WALTER WILLIAMS JR.

DATE
10/15/12

QUALITY MANAGER
JIMMY MARTINEZ for DON LOWMAN

his Process Certification covers thermal processing and/or hardness testing only. No particular mechanical properties of any material should be assumed, or are implied, as a result of the thermal processing and/or hardness testing cited in this Process Certification. Material processed in a mercury-, radium- and asbestos-free environment. Unless otherwise specified above, for all AMS material specifications, no qualification or periodic testing has been performed. ALL FURNACES CERTIFIED TO MEET THE REQUIREMENTS OF AMS-H-6875, CURRENT REVISION, HARDNESS TESTING PERFORMED TO THE LATEST REVISION OF ASTM E 384, ASTM E 10, ASTM E 110, ASTM E 18, ASTM E 140 AND ASTM A 370.



**PERRY JOHNSON
REGISTRARS, INC.**
ISO 9001 REGISTERED

BUTLER INC.

1600 W. 166th STREET
GARDENA, CALIFORNIA 90247
(310) 323-3114 / FAX (310) 324-0914



**PERRY JOHNSON
REGISTRARS, INC.**
ISO 9001 REGISTERED

CERTIFIED TEST REPORT

CAGE CODE: 59053

PART NO: AN8C21A REV: 2
LOT NO: 15494
HEAT NO: G18870
MAT'L: 431

PROCUREMENT SPEC: NASM6812 REV: 3
LOT SIZE: 1196
TEST DATE: 11/16/12
CERTIFICATION NO: 4614

Test type:	Rockwell hardness	Test value:	N/A	Test method:	Butler procedure no:		
Results:							
1.	5.	9.	13.	17.	21.	25.	29..
2.	6.	10.	14.	18.	22.	26	30.
3.	7.	11.	15.	19.	23.	27.	31.
4.	8.	12.	16.	20.	24.	28.	32.

Technician: _____ Stamp: _____

Test type:	Axial tensile	Test value:	18500 lbs min	Test method:	NASM1312-8	Butler procedure no:	BIQOP-5-8-4
Results:							
1. 25462 lbs	5. 25866 lbs	9.	13.	17.	21.	25.	29..
2. 25724 lbs	6.	10.	14.	18.	22.	26.	30.
3. 26074 lbs	7.	11.	15.	19.	23.	27.	31.
4. 25863 lbs	8.	12.	16.	20.	24.	28.	32.

Technician: F. Ron Stamp:

Flavio Ron

Test type:	Double shear	Test value:	29400 lbs min	Test method:	NASM1312-13	Butler procedure no:	BIQOP-5-8-5
Results:							
1. 34946 lbs	5. 35911 lbs	9.	13.	17.	21.	25.	29..
2. 34671 lbs	6.	10.	14.	18.	22.	26.	30.
3. 34736 lbs	7.	11.	15.	19.	23.	27.	31.
4. 34258 lbs	8.	12.	16.	20.	24.	28.	32.

Technician: F. Ron Stamp:

Flavio Ron

Test type:	Recess torque	Test value:	N/A	Test method:	Butler procedure no:		
Deformation allowable:		Installation:		Removal:	Sample size:		
Results:							
Technician:	_____	Stamp:	_____				

Test type:	Magnetic permeability	Test value:	N/A	Test method:	Butler procedure no:		
Results:							
Technician:	_____	Stamp:	_____				

Material, as tested, conforms to specification requirements. The information on this report represents only the material tested. This report shall not be reproduced except in full without the written approval of Butler Inc.



Contact: Tod Polidori
Butler, Inc.
1600 West 166th Street
GARDENA, CA 90247

Element Materials Technology
15062 Bolsa Chica
Huntington Beach, CA
92649-1023 USA
P 714 892 1961
F 714 892 8159
T 888 786 7525
infohb@element.com
element.com

TEST CERTIFICATE — EAR-CONTROLLED DATA

Date: 11/26/2012
Purchase Order Number: 24199
Work Order Number: BUT004-11-20-03842-1

Part No.:	AN8C21A REV. 2
Lot No.:	15494
Heat No.:	G18870
Material:	431
Specification:	NASM6812-3

FASTENER EVALUATION – STAINLESS STEEL

Number of Pieces: 5
Etchant:
 Micro: Vilella's
 Temperature: Ambient
 Magnification: 100X/200X
 Macro: Vilella's
 Temperature: Ambient
 Magnification: 20X
Grain Flow:
 Head: Grain flow follows the contour of the head. (Acceptable)
 Head to Shank Fillet: Grain flow follows the contour of the head to shank fillet. (Acceptable)
 Threads: Grain flow follows the contour of the threads. (Acceptable)
Cracks: The entire sample shows no evidence of cracks.
Discontinuities / Defects:
 Head: No discontinuities / defects found.
 Threads:
 Crest Laps: 0.0015" (Within limits)
 Flank Laps: No discontinuities / defects found.
 Root Laps: No discontinuities / defects found.
Grain Growth: None
Grain Size: ASTM 6.0
Surface Condition on Head: No surface contamination (IGA) found.
Surface Condition on Threads: No surface contamination (IGA) found.
Microstructure: Exhibits fine tempered martensite with no visible carbide precipitation in the grain boundaries.
Surface Hardening: None except as created in cold working rolling of threads.

MATERIAL CONFORMS TO SPECIFICATION

This document contains technical data whose export and re-export/ retransfer is subject to control by the U.S. Department of Commerce under the Export Administration Act and the Export Administration Regulations. The Department of Commerce's prior written approval may be required for the export or re-export/retransfer of such technical data to any foreign person, foreign entity or foreign organization whether in the United States or abroad.

REVIEWED BY: *[Signature]*

DATE: 11-27-12

Respectfully submitted

Megan C. Wolf
Megan C. Wolf
Quality Administrator

15062 Bolsa Chica, Huntington Beach, CA 92649
(714) 892-1961 ph • (714) 892-8159 fax www.element.com

The information contained in this certification represents only the material submitted and is certified only for the quantities tested. Reproduction except in full is reserved pending written approval. The recording of false, fictitious, or fraudulent statements or entries on the certificate may be punishable as a felony under federal law. All testing was performed in a mercury free environment. All testing performed in accordance with the latest edition of the applicable ASTM, or other Federal Test Method in effect at the time of test.



HADD-CO INSPECTION LAB

2420 Amsler Street, Torrance, CA 90505

Toll Free: (888) 339-8472 Phone: (310) 325-7620 Fax: (310) 325-9655

www.haddco.com Email: NDT@haddco.com

NO. 14816

Sold To:-

BUTLER, INC
1600 W. 166TH ST.
GARDENA, CA 90249

P.O. Number: 24203
Job/Lot #: 15494
Completion Date: 11/20/12

CERTIFICATION

QUANTITY	PART NUMBER	DESCRIPTION
32	AN8C21A REV. 2	MPI PER ASTME1444M-11 NASM6812-3 MAT: 431 NOT PLATED HEAT# G18870 NO REJECTS

REVIEWED BY: MJD
DATE: 11-27-12

This is to certify that 100% of the parts under subject purchase order have been inspected by Magnetic Particle Inspection in accordance with all applicable and/or purchase order requirements.

Inspector:

MARTIN J. DIAZ
MARTIN J. DIAZ Level II



NOTE: Altering of this certification renders it void.

Allblack Company,LLC

13090 Park St.

Santa Fe Springs, CA 90670

Phone: (562) 946-2955

Fax: (562) 946-6665

Certificate of Conformance**To:** Butler Inc.1600 West 166th Street
Gardena, CA 90247
United States**From:** Allblack Company,LLC13090 Park St.
Santa Fe Springs, CA 90670**Packing List No:** 327070.**Today's Date:** 11/30/12**Shipping Date:** 11/30/12**PO Number:** 24217**MERCURY FREE PROCESS**

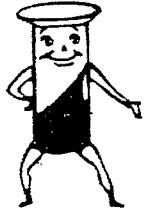
Quantity				Job Number
Shipped	Unit	Description		
1	LOT	PASSIVATE PER AMS2700E AN8C21A REV 2 LOT#15494 HEAT#G18870 431 MATL 288 PIECES 43# 1 PAN		442712

GENTLEMEN: This is to certify that the following articles have been processed and/or inspected as indicated above in accordance with military standards and specifications.

JB
A 5REVIEWED BY:
DATE: 12-3-12

12

Inspector's Initials
Allblack Company,LLC



SIERRA PACIFIC SUPPLY

1801 W. EL SEGUNDO BLVD., COMPTON, CA 90222-1096
 MAIL: PO BOX 4848, COMPTON, CA 90224-4848
 PHONE: (310) 638-9318
 FAX: (310) 638-8105
www.sierrapacificsupply.com

Packing List

181388

Page 1

** COPY **

Date: 11-24-09

By: MARIA

Sold to: FAS940

Ship to:

FASTENER DIMENSIONS INC.
 94-03 - 104TH ST.
 OZONE PARK, NY 11416

FASTENER DIMENSIONS INC.
 94-03 - 104TH ST.
 OZONE PARK, NY 11416

Customer P.O.	Contact Name	Ship Via				
P53411	DENISE RIZZO	UPS COLL 570-3X0				
Payment terms	Reference	B. P.	Salesperson Name			
NET30	DENISE RIZZO	Y Y	BRAD RAMSEY			
Line Num	Quantity ORDERED	U/M SHIPPED	BACK ORD	Description	Unit Price	U/M

SIERRA PACIFIC CERTIFIES THAT THESE PARTS ARE IN FULL COMPLIANCE WITH DFARS CLAUSE 252.225-7014 ALT. 1

Fasteners supplied on this Purchase Order meet all requirements of the latest Revision in Effect at the time of shipment

0001 556 556 AFDI EA

1 WH

AN4C42A
 HEX HEAD 431 SS PASS
 1/4-28 X 4-9/32
 MFG: SIERRA PACIFIC SUPPLY
 LOT: 9952481 500.
 REV: 12

No returns will be accepted without a returned goods authorization number.

RECEIVED

FEB 01 2010

By R67328

Claims for shortages or material discrepancy must be made within 15 days after the ship date.

Only lot traceable material will be accepted for return.

SIERRA PACIFIC SUPPLY COMPANY, INC.

CERTIFICATE OF CONFORMANCE

Sierra Pacific Supply Co., Inc., hereby certifies that the material listed hereon conforms to the chemical and physical properties of applicable specifications; and has been passed as Aircraft Quality in accordance with applicable specifications at Government and customer approved sources; evidence subject to availability in the files of Sierra Pacific Supply Co., Inc.

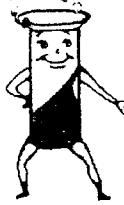
FINAL INSPECTION

Noe

SIGNED: *[Signature]*

George Buck, General Manager

DATED: _____



SIERRA PACIFIC SUPPLY CO., INC.

MAIL: P.O. Box 4848 • COMPTON, CA 90224-4848
1801 W. EL SEGUNDO BLVD. • COMPTON, CA 90222-1096

TELEPHONE: (310) 638-9318
FAX (310) 638-8105

To Whom It May Concern:

We certify the below item meets all chemical and physical properties of the required specifications.

Part Number: AN4C42A

Manufacturer: Sierra Pacific Supply

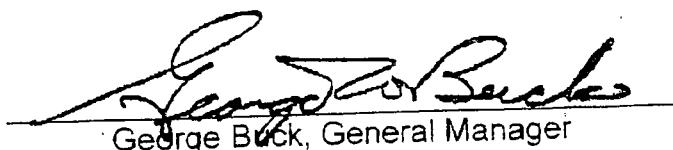
Lot Number: 9952481

Revision: 12

Description: $\frac{1}{4}$ - 28 X 4 9/32
Hex Head 431 SS Pass
Bolt

Chemical Composition: Fry Steel, Inc.

Hardness/Shear Value: Stork Materials Testing & Inspection


George Buck, General Manager

1/21/10
Date

SPS LOT # 9952481
CUST. P.O. P5341T
QTY SHIP 556 EACH